

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 2002172316  
PUBLICATION DATE : 18-06-02

APPLICATION DATE : 06-12-00  
APPLICATION NUMBER : 2000371938

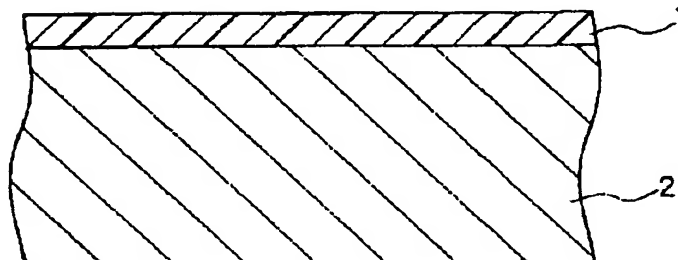
APPLICANT : NITTO DENKO CORP;

INVENTOR : KAWANO EIZO;

INT.CL. : B01D 71/36 B01D 39/16 B01D 69/10  
C08J 9/24 // C08L 27:18

TITLE : POROUS  
POLYTETRAFLUOROETHYLENE FILM,  
AND AIR-PERMEABLE LAMINATE AND  
FILTER UNIT PREPARED BY USING  
THE SAME

cited in the European Search  
Report of EP 04 00 7848.7  
Your Ref.: FP- 8608



ABSTRACT : PROBLEM TO BE SOLVED: To uniformize the micropore structure of a porous polytetrafluoroethylene(PTFE) film to give a filter material used for an air filter or a bag filter uniformized in air flow distribution.

SOLUTION: The variation in micropore structure is evaluated from the optical characteristics (haze factor) reflecting the characteristics of a microscopic region. The variation in haze factor due to the difference in the measurement region is controlled so that the coefficient of variation is 20% or lower. For example, a uniformized micropore structure is obtained by enhancing the binding between PTFE particles by applying a compressive force to a PTFE (pre)molded form in the direction rectangular to the extrusion and/or calendering direction of the premolded form in the production process of a porous PTFE film.

COPYRIGHT: (C)2002,JPO